Numb	Description
	DESCRIBED IN TEXT
1	Intracranial Stimulating Electrode
2	Intracranial Stimulating Electrode
3	Intracranial Stimulating Electrode
4	Intracranial Stimulating Electrode
5	Intracranial Recording Electrode
6	Intracranial Recording Electrode
7	Intracranial Catheter
8	Connecting Cable
9	Calvarium
10	Scalp
11	Head-mounted Acoustic Sensor
12	Head-mounted Accelerometer
13	Positive Proximal EMG Electrode
14	Reference Proximal EMG Electrode
15	Negative Proximal EMG Electrode
16	Proximal Connecting Cable
17	Positive Distal EMG Electrode
18	Negative Distal EMG Electrode
19	Distal Acoustic Sensor
20	Positive Distal EMG Connecting Cable
21	Negative Distal EMG Connecting Cable
22	Distal Acoustic Connecting Cable
23	Enclosure-mounted positive EMG Electrode
24	Enclosure-mounted negative EMG Electrode
25	Enclosure-mounted reference EMG Electrode
26	Stimulating and Recording Circuit
27	Proximal Acoustic Sensor
28	Proximal Accelerometer
29	Catheter Anchor
30	Acoustic Sensor Connecting Cable
31	Accelerometer Connecting Cable
32	Distal Peripheral Nerve Electrode Array connecting (
33	Distal Accelerometer
34	Distal Accelerometer Connecting Cable
35	Enclosure-mounted Acoustic Sensor
36	Enclosure-mounted Accelerometer
37	Intracranial Stimulating Electrode Array
38	Intracranial Recording Electrode Array
39	EEG Electrode
40	EEG Electrode
41	EEG Electrode
42	Reference Distal EMG Electrode
43	Stimulating and Recording Unit
44	Circuit Enclosure
45	Proximal EMG Electrode Array
46	Enclosure-mounted EMG Electrode Array
47	Distal EMG Electrode Array
48	Reference Distal EMG Connecting Cable
49	Enclosure-Mounted EMG Electrode Array
50	EMG Electrode Array
51	EEG Electrode Array
52	Accelerometer Array
53	Acoustic Transducer Array
54	Peripheral Nerve Electrode Array
55	Patient Interface Module
56	Supervisory Module
57	Intracranial Stimulating Array Amplifier
58	Intracranial Recording Array Amplifier
59	EMG Electrode Array Amplifier
60	EEG Electrode Array Amplifier
61	Accelerometer Array Amplifier
62	Acoustic Transducer Array Amplifier
63	Peripheral Nerve Electrode Array Amplifier
64	Intracranial Stimulating Array Filter
65	Intracranial Recording Array Filter
66	EMG Electrode Array Filter

Numb	Description
67	EEG Electrode Array Filter
68	Accelerometer Array Filter
69	Acoustic Transducer Array Filter
70	Peripheral Nerve Electrode Array Filter
71	Signal Processor
72	Control Circuit
73	Pulse Generator
74	Output Amplifier
75	Multiplexor
76	Signal Conditioning Circuit
77	Output Stage Circuit
78	Conditioned EMG signal path
79	Conditioned EEG signal path
80	Conditioned Accelerometer signal path
81	Conditioned Acoustic signal path
82	Conditioned Peripheral Nerve Electrode (PNE) signa
83	Conditioned Intracranial recording electrode (ICRE)
84	Conditioned Intracranial stimulating electrode (ICSE
85	Spike Detector
86	Spike Characterizer
87	Spike Analyzer
88	Intracranial Recording Electrode Single unit-based D
89	Spike Detector
90	Spike Characterizer
91	Spike Analyzer
92	Intracranial Stimulating Electrode Single unit-based
93	Disease state estimate signal path
94	Globus Pallidus Internus Internal Segment (GPi,i)
95	Globus Pallidus Internus External Segment (GPi,e)
96	Globus Pallidus Externus (GPe)
97	Optic Tract
98	Proximal Peripheral Nerve Electrode Array
99	Distal Peripheral Nerve Electrode Array
100	Proximal Peripheral Nerve Electrode Array connectir
101	Filter
102	Spectral Energy Characterizer
103	Spectral Energy Analyzer
104	Intracranial Recording Electrode Multiunit-based Dis
105	Disease State Estimate Path
106	Filter
107	Spectral Energy Characterizer
108	Spectral Energy Analyzer
109	Intracranial Stimulating Electrode Multiunit-based Di
110	Disease State Estimate Path
111	Stimulator Output Path
112	Stimulator Amplifier Output Path
113	Multiplexed Stimulator Recording Input Path
114	Stimulating Electrode Input Signal
115	Stimulating Electrode Output Signal
116	Reference Module
117	Aggregate Disease State Reference Signal Path
118	Disease State Reference Signal Path
119	Globus Palidus
120	Globus Pallidus Internus
121	Thalamus
122	Subthalamic Nucleus
123	Full Wave Rectifier
124	Envelope determiner
125	Filter
126	Threshold Discriminator
127	Filter
128	Threshold Discriminator
129	Filter
130	Threshold Discriminator
131	Filter
132	Threshold Discriminator
133	Filter
134	Threshold Discriminator

Numbi	Description
135	Integrator
136	Counter
137	EMG Analyzer
138	Electromyography (EMG)-based Disease State Esti
139	Artifact Rejecter
140	Supplementary Motor Area Signal Extractor
141	Full Wave Rectifier
142	Envelope Determiner
143	Filter
144	Full Wave Rectifier
145	Envelope Determiner
146	Filter
147	Full Wave Rectifier
148	Envelope Determiner
149	Filter
150	Full Wave Rectifier
151	Envelope Determiner
152	Filter
153	Full Wave Rectifier
154	Envelope Determiner
155	Electroencephalography (EEG)-based Disease Stat
156	Filter
157	Full Wave Rectifier
158	Envelope Determiner
159	Threshold Discriminator
160	Filter
161	Full Wave Rectifier
162	Envelope Determiner
163	Threshold Discriminator
164	Filter
165	Full Wave Rectifier
166	Envelope Determiner
167	Threshold Discriminator
168	Filter
169	Full Wave Rectifier
170	Envelope Determiner
171	Threshold Discriminator
172	Filter
173	Full Wave Rectifier
174	Envelope Determiner
175	Threshold Discriminator
176	Integrator
177	Counter
178	Acceleration Analyzer
179	Acceleration-based Disease State Estimator
180	Full Wave Rectifier
181	Envelope Determiner
182	Low Threshold Discriminator
183	High Threshold Discriminator
184	Timer
185	Spectral Analyzer
186	Acoustic Analyzer
187	Acoustic-based Disease State Estimator
188	Spike Detector
189	Spike Characterizer
190	Spike Analyzer
191	Filter
192	Spectral Energy Characterizer
193	Spectral Energy Analyzer
194	Peripheral Nerve Electrode (PNE)-based Single Uni
195	Aggregate Disease State Estimator
196	Reference Module
197	Proportional Gain
198	Differential Gain
199	Integrator Gain
200	Nonlinear Controller Gain
201	Adaptive Controller Gain
202	Sliding Controller Gain

Numb	Description
203	Model-Reference Controller Gain
204	Differential Controller
205	Integral Controller
206	Nonlinear Controller
207	Adaptive Controller
208	Sliding Controller
209	Model-Reference Controller
210	Proportional Controller Weight
211	Differential Controller Weight
212	Integral Controller Weight
213	Nonlinear Controller Weight
214	Adaptive Controller Weight
215	Sliding Controller Weight
216	Model-Reference Controller Weight
217	Summator
218	Clock
219	Filter
220	Full Wave Rectifier
221	Envelope Determiner
222	Full Wave Rectifier
223	Envelope Determiner
224	Filter
225	Threshold Discriminator
226	Summator
227	Patient
228	Observor
229	Disease State Estimator Module Array
230	Proportional Controller
231	Control Law Circuit Block
232	Peripheral Nerve Electrode (PNE)-based Multiple U
233	EMG Signal Processor
234	EEG Signal Processor
235	Accelerometer Signal Processor
236	Acoustic Signal Processor
237	PNE Signal Processor
238	ICRE Signal Processor
239	ICSE Signal Processor
240	Memory Module
241	Analog Switch
242	Zener Diode
243	Zener Diode
244	Conection to noninverting input
245	Connection to inverting input
246	Intracranial Electrodes
247	Sensory Input Modalities
248	Neurological Control System
249	Sensor connector cable
250	head
251	brain
252	cortex
253	frontal cortex
254	parietal cortex
255	temporal cortex
256	occipital cortex
257	cerebellar cortex
258	orbital cortex
259	prefrontal cortex
260	motor cortex
261	sensory cortex
262	associative cortex
263	werneckie's area
264	brocas area
265	premotor cortex
266	supplementary motor cortex
267	visual cortex
268	V2 cortex

Numb	Description
269	S2 cortex
270	Thalamus
271	globus pallidus
272	glous pallidus internus
273	globus pallidus externus
274	subthalamic nucleus
275	thalamic ventrointermediate nucleus (Vim)
276	cingulate gyrus
277	hippocampus
278	amygdala
279	orbitofrontal modulator
280	prefrontal modulator
281	precentral modulator
282	postcentral modulator
283	parietal modulator
284	parietooccipital modulator
285	occipital modulator
286	cerebellar modulator
287	right parasaggital precentral modulator
288	left parasaggital precentral modulator
289	right lateral precentral modulator
290	left lateral precentral modulator
291	right superior anterior temporal modulator
292	left superior anterior temporal modulator
293	right inferior anterior temporal modulator
294	left inferior anterior temporal modulator
295	right parasaggital postcentral modulator
296	left parasaggital postcentral modulator
297	right lateral postcentral modulator
298	left lateral postcentral modulator
299	right superior temporal modulator
300	left superior temporal modulator
301	right inferior temporal modulator
302	left inferior temporal modulator
303	right parasaggital orbitofrontal modulator
304	left parasaggital orbitofrontal modulator
305	right lateral orbitofrontal modulator
306	left lateral orbitofrontal modulator
307	right parasaggital prefrontal modulator
308	left parasaggital prefrontal modulator
309	right lateral prefrontal modulator
310	left lateral prefrontal modulator
311	right parasaggital parietal modulator
312	left parasaggital parietal modulator
313	right lateral parietal modulator
314	left lateral parietal modulator
315	right superior posterior temporal modulator
316	left superior posterior temporal modulator
317	right inferior posterior temporal modulator
318	left inferior posterior temporal modulator
319	right lateral cerebellar modulator
320	left lateral cerebellar modulator
321	right parasaggital parietooccipital modulator
322	left parasaggital parietooccipital modulator
323	right lateral parietooccipital modulator
324	left lateral parietooccipital modulator
325	right inferior parietooccipital modulator
326	left inferior parietooccipital modulator
327	right parasaggital cerebellar modulator
328	left parasaggital cerebellar modulator
329	right parasaggital occipital modulator
330	left parasaggital occipital modulator
331	right lateral ventricle
332	left lateral ventricle
333	third ventricls
334	corpus callosum
335	right thalamus
336	left thalamus

Numb	Description
337	right internal capsule
338	left internal capsule
339	right globus pallidus externus
340	left globus pallidus externus
341	right globus pallidus internus
342	left globus pallidus internus
343	right globus pallidus internus external segment
344	left globus pallidus internus external segment
345	right globus pallidus internus internal segment
346	left globus pallidus internus internal segment
347	right globus pallidus
348	left globus pallidus
349	deep brain structures
350	modulator
351	magnetic coil
352	magnetic coil cross section
353	magnetic flux
354	neural tissue
355	optical source array
356	optical source
357	optical lens
358	optical beam
359	dura
360	modulator support
361	power supply
362	Pulse Generator
363	Papez's Circuit
364	mamillary bodies
365	fornix
366	orbitofrontal cortex
367	superior temporal gyrus
368	trigeminal nerve
369	vagus nerve
370	baroreceptor
371	sympathetic ganglion
372	Electromagnetic Coil
373	Electromagnetic Coil
374	Electromagnetic Coil
375	Magnetic Flux
376	Magnetic Flux
377	Magnetic Flux
378	Power Conversion Unit
379	Power Cable
380	Coil Holder
381	Bedding
382	Skin
383	Coil Pocket
384	Coil Pocket
385	Coil Pocket
386	Headband Coil Holder
387	Electromagnetic Coil
388	Electromagnetic Coil
389	Electromagnetic Coil
390	Electromagnetic Coil
391	Electromagnetic Coil
392	Electromagnetic Coil
393	Electromagnetic Coil
394	Electromagnetic Coil Cable
395	Electromagnetic Coil Cable
396	Power Modulator
397	Power Source
398	Head
399	Electromagnetic Coupling Element
400	Power Conversion Circuit
401	Rectifier
402	Energy Storage Element

Numb	Description
403	Regulator
404	Filter
405	Demodulator
406	Amplifier
407	Electromagnetic Coupling Element Cable
408	Induced Current
409	Regulated Power
410	Incoming Data Stream
411	Outgoing Data Stream
412	Neuromodulation signal
413	Power Delivery Unit
414	Modulator
415	Amplifier
416	Inducing Current
417	Power Management Unit
418	Energy Storage Unit
419	Stimulation Recording and Power Circuit
420	Pericranium
421	Calvarium Outer Table
422	Calvarium Marrow Layer
423	Calvarium Inner Table
424	Mechanical Attachment
425	Mechanical Attachment Mount
426	Enclosure Outer Surface
427	Enclosure Inner Surface
428	Screw Mount
429	Screw
430	Screw Mount
431	Screw
432	Protruding Component
433	Recessed Component
434	System Enclosure
435	Brain Surface
CIP	PDSTIM5-FF2
436	Catheter Mount Ball
437	Catheter Mount Socket
438	Bone Screw
439	Machine Screw
440	Cranial Attachment Plate
441	Catheter Recess
442	Calvarum Bit Innder Diameter Segment
443	Calvarum Bit Outer Diameter Segment
444	Calvarum Bit Shaft
445	Calvarum Drill
446	Calvarum Bit Penetration-Release Segment
447	Calvarum Drill Bit
448	Microelectrode Channel
449	Microelectrode
450	Microelectrode Tip
451	Intracranial Catheter Proximal End
Intracranial Catheter 1	
452	Intracranial Catheter Proximal Electrode
453	Intracranial Catheter Proximal Electrode
454	Intracranial Catheter Proximal Electrode
455	Intracranial Catheter Proximal Electrode
456	Intracranial Catheter Proximal Electrode
457	Intracranial Catheter Proximal Electrode
458	Intracranial Catheter Proximal Electrode
459	Intracranial Catheter Proximal Electrode
460	Electrode Contact
461	Electrode Contact
462	Electrode Contact
463	Electrode Contact
464	Electrode Contact
465	Electrode Contact
466	Electrode Contact
467	Electrode Contact

Numb	Description
468	Electrode Contact Set Screw
469	Electrode Contact Set Screw
470	Electrode Contact Set Screw
471	Electrode Contact Set Screw
472	Electrode Contact Set Screw
473	Electrode Contact Set Screw
474	Electrode Contact Set Screw
475	Electrode Contact Set Screw
Intracranial Catheter 2	
476	Intracranial Catheter Proximal Electrode
477	Intracranial Catheter Proximal Electrode
478	Intracranial Catheter Proximal Electrode
479	Intracranial Catheter Proximal Electrode
480	Intracranial Catheter Proximal Electrode
481	Intracranial Catheter Proximal Electrode
482	Intracranial Catheter Proximal Electrode
483	Intracranial Catheter Proximal Electrode
484	Electrode Contact
485	Electrode Contact
486	Electrode Contact
487	Electrode Contact
488	Electrode Contact
489	Electrode Contact
490	Electrode Contact
491	Electrode Contact
492	Electrode Contact Set Screw
493	Electrode Contact Set Screw
494	Electrode Contact Set Screw
495	Electrode Contact Set Screw
496	Electrode Contact Set Screw
497	Electrode Contact Set Screw
498	Electrode Contact Set Screw
499	Electrode Contact Set Screw
500	Intracranial Catheter
501	Calvarum Stabilization Lip
502	Microelectrode Tunnel
503	Intracranial Catheter Port
504	Catheter Stabilization Means
505	Catheter Ball Channel
506	Catheter Mount System Enclosure Attachment Mea
507	Catheter Mount Ball Locking Screw
508	System Enclosure Catheter Mount Attachment Mea
509	Calvarum Bit Rollers
510	Communication and Power Link
511	Module Communication and Power Link
512	Module Communication and Power Link
513	Module Communication and Power Link
514	Module Communication and Power Link
515	Module Communication and Power Link
516	Module Communication and Power Link
517	Module Communication and Power Link
518	Module Communication and Power Link
519	Module Communication and Power Link
520	Module Communication and Power Link
521	Module Communication and Power Link
522	Module Communication and Power Link
523	Module Communication and Power Link
524	Module Communication and Power Link
525	
526	
998	NMS (neuromodulating signal)
999	Neurological Control System